

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"5183646".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/26 11:33
L5	1910	423/210.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/26 12:34
L19	3	"20040112308"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/26 12:58
L20	3	"20050147509"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/26 12:59
S1	788	vacuum same pump same ignition same fuel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/20 15:19
S2	153	(vacuum adj pump) same ignition same fuel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/20 15:19
S3	17	((GRAEME) near2 (HUNTLEY)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/20 15:27
S4	15	((ANDREW) near2 (SEELEY)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/20 15:27
S5	2968	((JAMES) near2 (SMITH)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/20 15:27
S6	1743	vacuum same pump same semiconductor same exhaust	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/20 16:06

S7	1377	(vacuum adj pump) same semiconductor same exhaust	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/20 16:07
S8	4	(vacuum adj pump) same semiconductor same exhaust same (ignition)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/20 16:07
S9	11	(vacuum adj pump) same semiconductor same exhaust same combustion	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/20 16:08
S10	5	("4083932"   "4144313"   "4153004"   "4801437"   "5019364").PN. OR ("6432372").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/20 16:10
S11	317	vacuum and semiconductor and CDA	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/20 16:12
S12	143	vacuum and semiconductor and CDA and pump	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/20 16:12
S13	33	vacuum and semiconductor and CDA and pump and combustion	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/20 16:12
S14	187	rockwell.in. and vacuum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 09:38
S15	43	rockwell.in. and vacuum and pump	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 09:38
S16	8	rockwell.in. and (vacuum adj pump)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 09:39
S17	24	rockwell.in. and vacuum and pump and (combustion or ignition)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 09:40

S18	3394	(vacuum with exhaust).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 09:51
S19	55	(vacuum with exhaust).ti. and (combustion or ignite or ignition) and pump	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 09:51
S20	2	"6867859"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 10:02
S21	34	("3648015"   "3653766"   "3958883" "3984681"   "4147431"   "4609426"   "4629887"   "4847792" "4857136"   "4859277"   "5066125"   "5180949"   "5273610" "5326975"   "5372783"   "5383019"   "5529657"   "5546322" "5671045"   "5777735"   "5857890"   "5877032"   "5949193" "5963336"   "5986747"   "6045618"   "6046796"   "6068783" "6075609"   "6101971"   "6120734"   "6134005"   "6333269" "6381022").PN. OR ("6867859"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/21 10:02
S22	7	"5458862"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 10:12
S23	27	("3618314"   "5114683"   "5123375" "5405445"   "5422081"   "5458862"   "5536321"   "5556473" "5819683").PN. OR ("6099649"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/21 10:19
S24	31	("3356527"   "3618314"   "5114683" "5123375"   "5405445"   "5422081"   "5456945"   "5458862" "5536321"   "5556473"   "5819683"   "5928426").PN. OR ("6402806").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/21 10:23
S25	1455	(vacuum adj pump) and (exhaust with gas) and (ignite or ignition)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 10:25

S26	55	(vacuum adj pump) same (exhaust with gas) same (ignite or ignition)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 10:25
S27	0	("2004/0112308").URPN.	USPAT	OR	ON	2009/08/21 10:32
S28	9	("0168623"   "0178023"   "4399368"   "4484082"   "4491095"   "5144917"   "6213097").PN. OR ("7467607").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/21 10:32
S29	16	("3086851"   "3954945").PN. OR ("4555389").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/21 10:37
S30	204	(sakai near2 takamasa).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 10:44
S32	19	(sakai near2 takamasa).in. and vacuum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 10:44
S33	18	(yusuke near muraoka).in. and vacuum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 10:48
S34	8	(kozo near terajima).in. and vacuum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 10:50
S35	8	(nakatani near ikuyoshi).in. and vacuum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 10:51
S36	6	(matsunaga near sanenobu).in. and vacuum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 10:51
S37	18	(glawion near2 erwin).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 10:52

S38	46	(shimada near k).in. and vacuum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 10:54
S39	194	ishihara.in. and (vacuum adj pump)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 10:56
S40	57	ishihara.in. and (vacuum adj pump) and exhaust	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 10:56
S41	3	(powell near g).in. and vacuum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 11:07
S42	16	(mitani near h).in. and vacuum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 11:09
S43	2054	yokoyama.in. and vacuum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 11:13
S44	214	yokoyama.in. and (vacuum adj pump)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 11:13
S45	10	(yokoyama near y).in. and (vacuum adj pump)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 11:14
S46	40	("4608063"   "4609426"   "4657738" "4735633"   "4816046"   "5000113"   "5141714"   "5171337" "5211729"   "5323013"   "5417826"   "5451378"   "5453125" "5453305"   "5827370").PN. OR ("6045618").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/21 11:18

S47	12	("3296410"   "3541625"   "4638489"   "4766351").PN. OR ("5949193").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/21 11:19
S48	218	("20010001652"   "20010032543"   "20010055555"   "20020066535"   "20020110500"   "20020159924"   "20020182131"   "20040065013"   "20040161718"   "20040191146"   "20040213721"   "20040216610"   "20040237781"   "20060024226"   "20060104879"   "20070169889"   "20070172398"   "20070172399"   "20070190469"   "20070274876"   "20090010816"   "2819151"   "3185846"   "3203759"   "3276506" "3698696"   "3813852"   "3845191"   "3898040"   "3949057" "3969482"   "3969485"   "3983021"   "4011298"   "4059386" "4083607"   "4154141"   "4172708"   "4206189"   "4236464" "4238460"   "4243372"   "4296079"   "4374649"   "4392821" "4479443"   "4479809"   "4483672"   "4519999"   "4541995" "4555389"   "4584001"   "4644877"   "4661056"   "4719088" "4753915"   "4788036"   "4801437"   "4834020"   "4886444" "4908191"   "4935212"   "4954320"   "4966611"   "4975098" "4981722"   "4986838"   "4993358"   "5000221"   "5009869" "5011520"   "5045288"   "5077525"   "5113789"   "5114683" "5118286"   "5122391"   "5123836"   "5136975"   "5137701" "5147421"   "5151116"   "5154237"   "5160707"   "5176897" "5183646"   "5199856"   "5206003"   "5207836"   "5211729" "5213767"   "5220940"   "5238656"   "5251654"   "5252007" "5255709"   "5255710"   "5271908"   "5280664"   "5281302" "5292704"   "5304398"   "5320124"   "5361800"   "5364604" "5393394"   "5407647"   "5417934"   "5425886"   "5439568" "5450873"   "5453125"   "5453494"   "5456280"   "5494004" "5495893"   "5510066"   "5510093").PN. OR ("5527631"   "5533890"   "5572866"   "5575636" "5584959"   "5589148"   "5597540"   "5599508"   "5601790" "5603905"   "5643545"   "5649985"   "5650128"   "5663476" "5665317"   "5693293"   "5702999"   "5716428"   "5720444"	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/21 11:32

		"5720931"   "5749720"   "5756052"   "5759237"   "5759498" "5762893"   "5779863"   "5779998"   "5785741"   "5788778" "5790934"   "5800792"   "5817284"   "5833888"   "5840897" "5843239"   "5843288"   "5855648"   "5855822"   "5858065" "5865879"   "5877391"   "5891404"   "5900217"   "5914091" "5919285"   "5935283"   "5935540"   "5938422"   "5955037" "5957678"   "5965786"   "5972078"   "5989412"   "6007742" "6009827"   "6010576"   "6013584"   "6030591"   "6059858" "6072227"   "6095084"   "6110529"   "6153150"   "6153159" "6185839"   "6187072"   "6187080"   "6190507"   "6217640" "6234787"   "6261524"   "6322756"   "6338312"   "6345768" "6361584"   "6423284"   "6464944"   "6468490"   "6491884" "6511641"   "6527828"   "6544482"   "6655137"   "6712603" "6805728"   "6813943"   "6824748"   "6843830"   "6875007" "6946107"   "6969250"   "7047893"   "7160521"   "7316721" "H001701").PN. OR ("7569193"). URPN.				
S49	67	("0329087"   "0857808"   "2601041" "3238991"   "3256924"   "3268296"   "3522016"   "3733824" "3895494"   "3917796"   "3930802"   "4043512"   "4089629" "4113421"   "4116388"   "4206712"   "4253403"   "4270895" "4338870"   "4342552"   "4378334"   "4383820"   "4401099" "4462318"   "4472133"   "4520741"   "4555389"   "4622811" "4661056"   "4690075"   "4716725"   "4725223"   "4740154" "4788004"   "4801437"   "4911955"   "4938685").PN. OR ("5183646").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/21 11:36
S50	49	("3416890"   "3419351"   "3660025" "3661519"   "3838975"   "3853506"   "3920422"   "3954945" "4108964"   "4141702"   "4144313"   "4276274"   "4347225" "4444735"   "4539188"   "4544350"   "4555389"   "4559218"). PN. OR ("4801437").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/21 11:37

S51	30	("0319270"   "1624865"   "1796878" "2655455"   "3875874"   "4402738"   "4438706"   "4509434" "4555389"   "4768949"   "4974530"   "5181475"   "5588381" "5603905"   "5693293"   "5724901"   "5749720"   "5759498" "5800792"   "5855742"   "5938422").PN. OR ("6234787"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/21 11:38
S52	31	("2224130"   "3755990"   "3954945" "4048290"   "4108964"   "4276274"   "4292290"   "4555389" "4801437"   "4881952"   "4908191"   "4973451").PN. OR ("5123836").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/21 11:38
S53	7	("5907077"   "5965786"   "6045618").PN. OR ("6361706"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/21 15:01
S54	2	(vacuum adj pump) with plasma with combustion	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/21 15:05
S55	4	("3697190"   "4746265").PN. OR ("5632597").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/21 15:07
S56	1202	415/90.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:09
S57	15	415/90.ccls. and (ignite or ignition)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:10
S58	67	415/90.ccls. and (combustion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:13
S59	460	(vacuum adj pump) near trap	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:27
S60	8	((vacuum adj pump) near trap) and (ignite or ignition)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:28



S61	6590	silane and (vacuum adj pump)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:32
S62	75	silane and (vacuum adj pump) and exhaust and burning	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:33
S63	130	"431".clas. and (vacuum adj pump)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:39
S64	3	"431".clas. and (turbomolecular adj pump)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:39
S65	6	"6220824"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:58
S66	38	ignition and (vacuum adj pump).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 16:02
S67	10	("0054006"   "1046280"   "2766737" "2920610"   "3811804"   "3895609").PN. OR ("4007715"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/21 16:08
S68	0	("2993639").URPN.	USPAT	OR	ON	2009/08/21 16:13
S69	0	("2007/0183909").URPN.	USPAT	OR	ON	2009/08/21 16:14
S70	20	("0516431"   "1061107"   "1944956" "1949225"   "2350005"   "2583633"   "3139722"   "3314401"). PN. OR ("3895609").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/21 16:25
S71	2	("1046280").URPN.	USPAT	OR	ON	2009/08/21 16:25
S72	0	(multistage with rotary with engine). ab. and ignition	USPAT	OR	ON	2009/08/21 16:26
S73	0	(multistage with rotary with engine). ab.	USPAT	OR	ON	2009/08/21 16:27

S74	2	(multi near stage with rotary with engine).ab.	USPAT	OR	ON	2009/08/21 16:27
S75	5	"3397864"	USPAT	OR	ON	2009/08/21 16:29
S76	3753	(vacuum adj pump) same engine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 16:35
S77	2374	(vacuum adj pump) with engine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 16:35
S78	166	(vacuum adj pump) with rotary with engine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 16:35
S79	56	((vacuum adj pump) with rotary with engine).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 16:35
S80	1879	417/53.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/25 15:06
S81	2	("2993639").PN.	USPAT; USOCR	OR	OFF	2009/08/25 16:12
S82	1	("5458862").PN.	USPAT; USOCR	OR	OFF	2009/08/25 16:14
S83	0	("20040112308").PN.	USPAT; USOCR	OR	OFF	2009/08/25 16:17
S84	1	("20040112308").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 16:18
S85	1	("4007715").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 16:18
S86	348	417/53.ccls. and (vacuum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/25 16:35

S87	564	(vacuum adj pump) and (spark adj plug)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/25 17:05
S88	19	417/423.4.ccls. and ((vacuum adj pump) or (turbomolecular adj pump)) and ((spark adj plug) or (filament) or plasma)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/25 17:22
S89	1	("2005/0147509").URPN.	USPAT	OR	ON	2009/08/25 17:36
S90	24	("20030154044"   "20040144421"   "20050087298"   "20050147509"   "20050160983"   "20050163622"   "20050209827"   "20050252884"   "20050283321"   "20060175012"   "20070012402"   "20070079758"   "3918915"   "4701187"   "4720807"   "4820319"   "5004483"   "5759237"   "5976222"   "6195621"   "6227347"   "6316045"   "6419455"   "6988017").PN. OR ("7532952").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/25 17:37
S91	117	(vacuum adj pump) with abatement	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/25 17:54
S92	0	("2002/0111045").URPN.	USPAT	OR	ON	2009/08/25 18:07
S93	6	("20010001435"   "5759237"   "5955037"   "6027616").PN. OR ("6576573").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/25 18:07
S94	49	("3898040"   "4083607"   "4236464"   "4719088"   "4801437"   "5009869"   "5113789"   "5118286"   "5160707"   "5252007"   "5533890"   "5575636"   "5599508").PN. OR ("5955037").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/25 18:09
S95	1	("3818845").PN.	USPAT; USOCR	OR	OFF	2009/08/25 18:24
S96	0	("(vacuumadjincineration).ti.").PN.	USPAT; USOCR	OR	OFF	2009/08/25 18:26
S97	2	(vacuum adj incineration).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/25 18:26

8/ 26/ 2009 1:02:15 PM

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